

Fw: Wellman Dynamics
Patricia Murrow to: Bill Ferguson

07/14/2011 03:35 PM

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To: Patricia Murrow/R7/USEPA/US@EPA
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Date: 07/13/2011 06:32 AM
Subject: Wellman Dynamics

Pat,

Here is a summary of the information I received yesterday at Wellman Dynamics regarding the landfill and monitoring well sampling. I spoke with Matt Thelen, Environmental Engineer:

The on-site landfill is still being used by the facility. The landfill is permitted by Iowa Department of Natural Resources (IDNR) (I have a copy of the permit that I can forward when I am back in the office). The facility has submitted a renewal application to IDNR to continue use of the landfill for several more years. The facility is permitted to add their waste sand to the onsite landfill. Currently the facility is either sending the waste sand to the South Central Iowa Landfill in Winterset for daily cover or excavating the waste sand from the onsite landfill and mixing it with their magnesium dross sludge and baghouse dust. This combination (sand, magnesium dross and baghouse dust) is then being transferred to the South Central Iowa Landfill in Winterset as an alternative daily cover. Matt Thelen said they are trying to get rid of the landfill by excavating it and removing the material offsite so they won't have to go through closure.

As I was going through my site walk Matt Thelen mentioned a thorium dross which is generated during the manufacturing of thorium castings (radioactive alloy). All the waste generated from this process is stored in a shed per the exemption 40 CFR 266.230. The facility submitted a written notification to EPA regarding this storage on December 1, 2003. The facility inspects the shed quarterly. I am not sure they have disposed of any of this waste since 2003. Matt could not tell me how they would dispose of the waste. I did not inspect the shed. According to Matt no radioactive waste goes into the landfill, not sure if that was the historical practice or not.

I asked Matt Thelen about the recent groundwater sampling conducted by IDNR. He said he was not aware that IDNR did any sampling of their onsite monitoring wells. Matt Thelen said that they currently only have monitoring wells on their property. They have not installed and monitoring wells offsite yet but have submitted the work plan to EPA for approval to do so.

Hope that helps to answer some of your questions. I can send you the landfill permit and photos of the landfill later this week or next week.

Stephanie

Stephanie Luebbering, CHMM | Environmental Scientist

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